

DIRECT BURIED CONDUIT

I. CONSTRUCTION NOTES

- I.1. Install plug on all empty or temporary conduit openings. See identification section for conduit/cable marker plate.
- I.2. Markers should be installed at the ends of all conduit and ells.
- I.3. Call for plates UC on a "per foot" basis
- I.4. See cable section for conduit size to be used.
- I.5. All conduit in the same trench will be installed at the bottom of the trench arranged as shown in the standard for "Installation of Conduit in Trench".
 - I.5.1. A standard 48" deep trench will be used when installing all conduits.
 - I.5.2. Other depths may be specified by the engineer on an individual basis.

ADDITIONAL PLATES

PLATE	DESCRIPTION	UNIT
FOAM-DUCT	EXPANDING FOAM TO SEAL AROUND CABLES	EA (LABOR ONLY)
PLUG-DUCT1	1 - 1" PVC CONDUIT CAP (CODPL005)	EA
PLUG-DUCT2	1 - 2" PVC CONDUIT PLUG (CODPL001)	EA
PLUG-DUCT3	1 - 3" PVC CONDUIT PLUG (CODPL002)	EA
PLUG-DUCT4	1 - 4" PVC CONDUIT PLUG (CODPL003)	EA
PLUG-DUCT6	1 - 6" PVC CONDUIT PLUG (CODPL004)	EA

PLATE	DESCRIPTION	UNIT
I.CODCO003	2" PVC SCH-40 LONG LINE COUPLING	EA
I.CODCO004	3" PVC SCH-40 LONG LINE COUPLING	EA
I.CODCO005	4" PVC SCH-40 LONG LINE COUPLING	EA
I.CODCO006	6" PVC SCH-40 LONG LINE COUPLING	EA
I.CODCO025	1" PVC SCH-40 LONG LINE COUPLING	EA

II. GENERAL

The work under this section consists of installing Single Conduit or Multiple Conduit in Trench, backfilling and compacting.

II.1. MATERIAL

One, Two, Three, Four, or Six inch PVC Conduit or Galvanized Steel Conduit.

II.1.1. Conduit Material Specifications:

- II.1.1.1. One, Two, Three, Four, or Six inch Schedule 40 PVC Conduit or Schedule 40 Galvanized Steel Conduit. Different conduit may be specified for special applications. All conduit material shall meet the material specifications of JEA.

II.1.1.2. Do not install DB60 or DB120 PVC Conduit in direct buried systems.

II.2. ALIGNMENT

PVC is sufficiently flexible to allow it to conform to minor changes in trench direction or elevation. Any other bends shall be made using pre-formed sweeps. PVC 5 degree bend couplings will not be used.

II.3. BACKFILLING

The backfill surrounding the duct(s) shall be compacted in accordance with the manufacturer's recommendations. Such backfill shall extend to 6" above the top of the Conduit or conduits. Above that level backfill and compaction shall be carried out as specified under excavation, backfill, & compaction paragraphs of the Earthwork section.

II.4. MARKING TAPE

Marking tape shall be installed as specified on an individual basis (See UCT plate).

II.5. MINIMUM COVER REQUIREMENTS

Standard depth of trench will be 48" (to bottom of trench). Other depths may be specified on an individual basis.

UC * **INSTALLATION OF CONDUIT IN TRENCH**

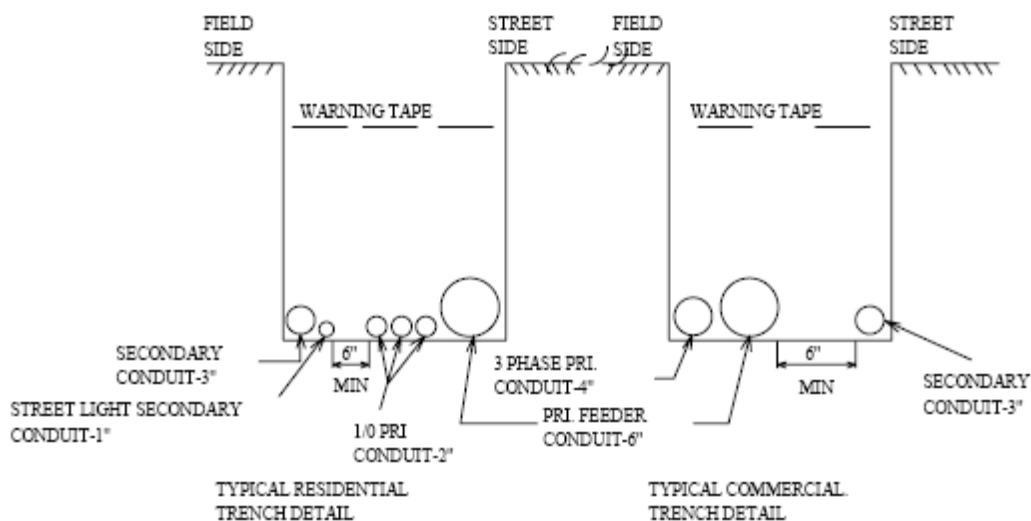


	PLATE	ITEM I.D.	SIZE
POLYVINYL CHLORIDE (PVC) SCHEDULE 40	UC*1	CODPC016	1"
	UC*2	CODPC019	2"
	UC*3	CODPC020	3"
	UC*4	CODPC003	4"
	UC*6	CODPC005	6"
GALVANIZED STEEL	UC*2S	CODST006	2"
	UC*3S	CODST008	3"
	UC*4S	CODST009	4"
	UC*6S	CODST010	6"

NOTES:

1. PVC cement must be itemized. Issue one (1) quart can, item I.ADCMI002, for each 500 linear feet of conduit, or for each 25 conduit joints.
2. Install warning tape as specified on UCT plate.
3. Minimum separation of 2" between conduits carrying conductors of the same voltage. Minimum separation of 6" between conduits carrying conductors of different voltage.

UCL4*_ AND UCL9*_ INSTALLATION OF CONDUIT ELL

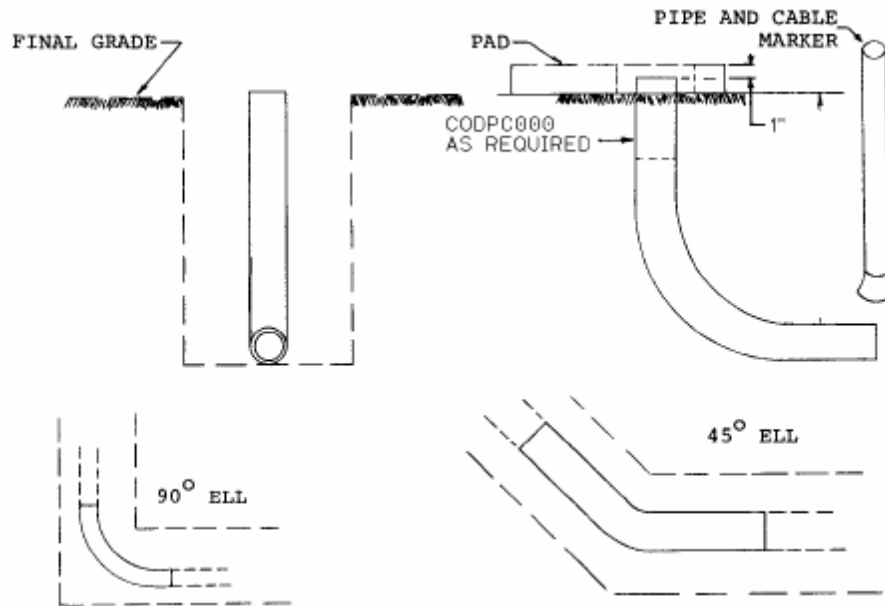


	PLATE	ITEM	DESCRIPTION	QTY	RADIUS
SCH 40 CONDUIT	UCL9*1	CODEP024	1"– 90°	1	18"
	UCL9*2	CODEP002	2"– 90°	1	48"
	UCL9*3	CODEP004	3"– 90°	1	36"
	UCL9*4	CODEP006	4"– 90°	1	36"
	UCL9*6	CODEP009	6"– 90°	1	48"
	UCL4*2	CODEP001	2"– 45°	1	36"
	UCL4*3	CODEP003	3"– 45°	1	36"
	UCL4*4	CODEP005	4"– 45°	1	36"
	UCL4*6	CODEP010	6"– 45°	1	48"
	UCL4*1	CODEP025	1"– 45°	1	18"
	UCL9*7	CODEP013	6"– 90°	1	150"
GALVANIZED STEEL	UCL9*2S	CODEP002	2"– 90°	1	9 3/4"
	UCL9*3S	CODEP004	3"– 90°	1	13"
	UCL9*4S	CODEP006	4"– 90°	1	36"
	UCL9*6S	CODEP007	6"– 90°	1	48"
SPECIAL DB-60 PVC	UCL4*7	CODEP008	6"-45°	1	150"